Figure 1

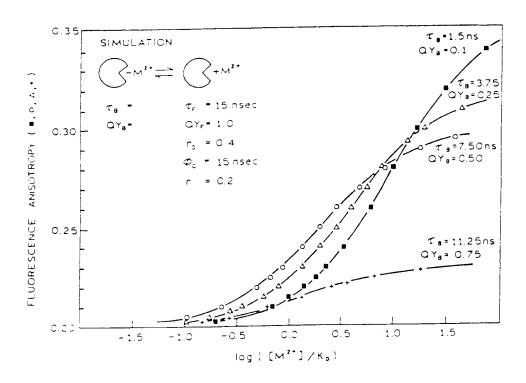
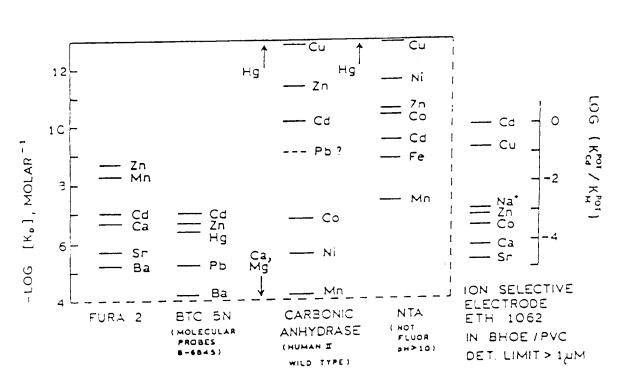


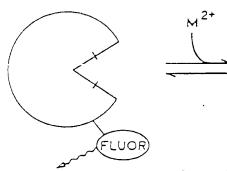
Figure 2



POTENTIOMETRIC SELECTIVITY COEFFICIENT

Figure 3

apo-CARBONIC ANHYDRASE



 $M^{2+}=Co^{2+}, Cu^{2+}, Ni^{2+}$

NO M2+ BOUND

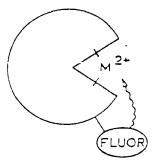
NO ENERGY TRANSFER

QUENCHING

 $\tau = \tau_0$

RST C 082895

"HOLO"-CARBONIC ANHYDRASE



ENERGY TRANSFER OR

OTHER POSTMITY QUENCHING

 $\tau < \tau_o$

Figure 4

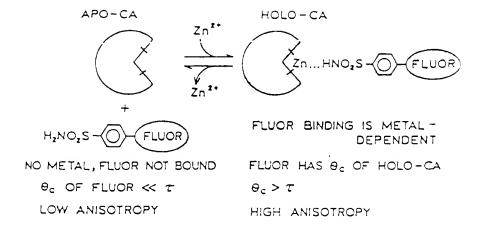


Figure 5

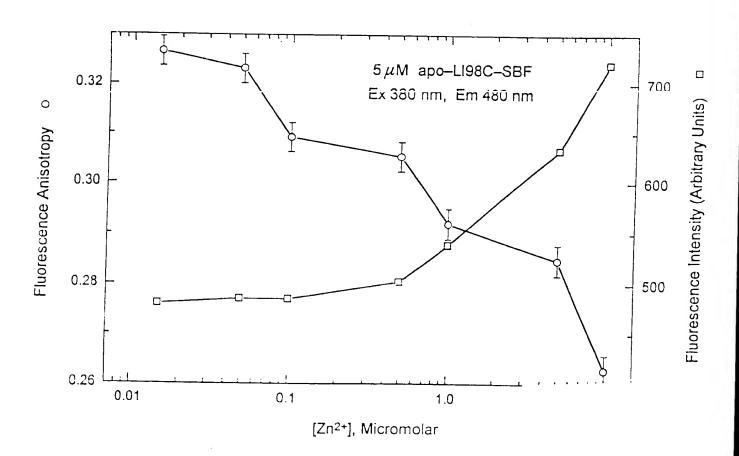


Figure 6

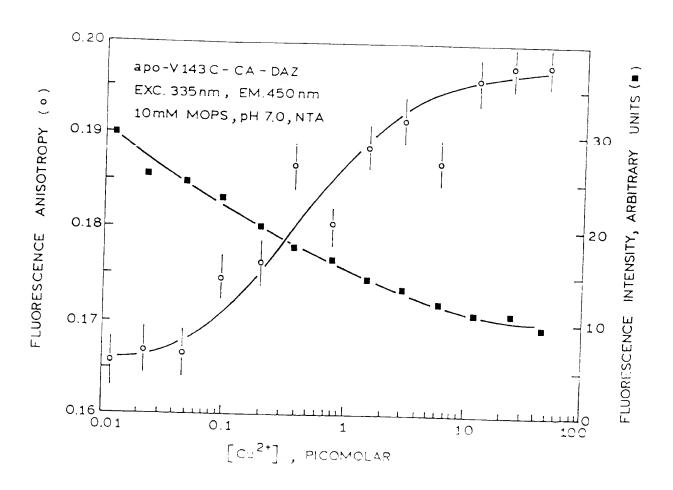


Figure 7

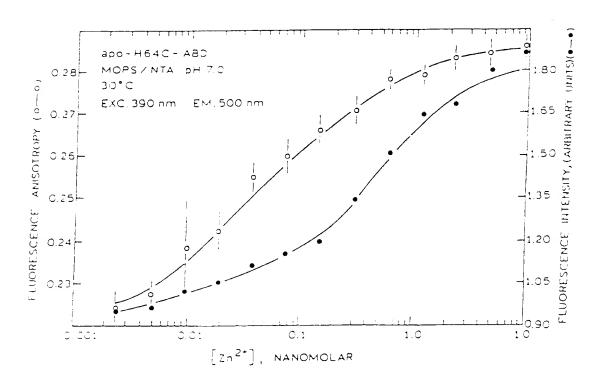


Figure 8

